

Abstract:

Brake-by-wire Actuator

The present invention relates to a brake-by-wire actuator for actuating the brake system of a motor vehicle, comprising a simulator 2 which can be acted upon by a brake pedal 1, with a signal of an actuation sensor 3 being sent to an electronic control unit 4 which controls a pressure source in response to the signal of the actuation sensor 3, and wherein an output of the pressure source is connected to a distributor device 10 for the brake force and actuates individual wheel brakes 16 of the vehicle, also comprising means for enabling actuation of the brakes by muscular power within a fallback mode.

In order to provide an improved fallback mode in a brake-by-wire actuator, according to the invention, a lost travel (a) is provided between a first actuation component 47 such as a brake pedal 1 in particular or a component 36; 21 articulated at the brake pedal 1 and an actuation component 37 that is connected downstream in the flux of force, in particular an input member 5, in order to uncouple the first actuation component 47 mechanically from the reactions of force of the motor vehicle brake system in the by-wire mode.

(Figure 2)